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Attorney Docket: 200106.00005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Jack Nilsson

Examiner: Unknown

Serial No.: 10/787,025

Art Unit: 2821

Filed: February 25, 2004

Date: June 16, 2004

For: MULTI-POLARIZED ANTENNA FOR ANTENNA SYSTEM

TRANSMITTAL

**Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450**

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- 1) Information Disclosure Statement
- 2) PTO-1449 Form
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HAHN LOESER + PARKS LLP

By 
David J. Muzilla
Reg. No. 50,914

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David J. Muzilla



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INFORMATION DISCLOSURE STATEMENT

Under 37 CFR 1.97

This Information Disclosure Statement is filed within three months after the filing date of this application or before the mailing of an Office Action on the merits, whichever event occurs last, and therefore is considered timely under 37 CFR §1.97(b).

The filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made (37 CFR §1.56(g)), an admission that the information cited is, or is considered to be, material to patentability or that no other material information exists.

The filing of this Information Disclosure Statement shall not be construed as an admission against interest in any manner. Notice of January 9, 1992, 1135 O.G. 13, at 25.

This Information Disclosure Statement is made to comply with the duty of candor imposed on all individuals associated with the filing or prosecution of this application, as defined by 37 CFR §1.56(c).

Six (6) U.S. references are listed on the attached one (1) sheet of Form PTO/SB/08A which is made a part of hereof. Copies of these cited references are not enclosed. Six (6) non-patent references are listed on the attached one (1) sheet of Form PTO/SB/08B which is made a part hereof. Copies of cited references are enclosed.

The foregoing Information Disclosure Statement is based upon the information known to the inventor or contained in the undersigned attorney's file as of the filing date of this statement and is inclusive of the best information known to each of the undersigned at that date. Prompt consideration of the Information Disclosure Statement and the references by the Examiner is earnestly requested.

Respectfully submitted,



David J. Muzilla
Reg. No. 50,914

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Atty. Docket: 200106.00005

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Substitute for form 1449A/PTO

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

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ney Docket Number

200106,00005

U. S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)			

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.¹ Applicant's unique citation designation number (optional).² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Sheet

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of

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Complete if Known	
Application Number	10/787,025
Filing Date	02/25/2004
First Named Inventor	Jack Nilsson
Art Unit	2821
Examiner Name	Unknown

Attorney Docket Number

200106.00005

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CA	HTTP://WWW.MAGNETICSCIENCES.COM/UWBANDVPOLANTS~NS4.HTML, "Ultra-Wideband (UWB) and Multiband antenna for RF, microwaves and UWB,"	
	CB	HTTP://WWW.MAGNETICSCIENCES.COM/MULTIBEAMSATCOMANTENNA~NS4.HTML, "Multiple Beam Antenna for Satellite Communications and LOS Communications,"	
	CC	HTTP://WWW.NORTHCOUNTRYRADIO.COM/ARTICLES/DISCFIG2.HTM, "Discone Figures,"	
	CD	HTTP://KYLETI.ASWWC.NET/INDEX.PHP?PAGE=PROJECTS&OLD_PROJECT+80211B_DISCONE, "Tim and David's 2.4 GHz802.11b Discone,"	
	CE	HTTP://WWW.WAVE-REPORT.COM/TUTORIALS/OFDM.HTM, "OFDM Tutorial,"	
	CF	BROADBAND WIRELESS INTERNET FORUM WHITE PAPER, "VOFDM Broadband Wireless Transmission and Its Advantages over Single Carrier Modulation; Document Number WP-1_TG-1," Boradband WIreless Internet Forum, 1.2 ed., Broadband WIreless Internet Forum, p. 1-35, (December 15, 2000).	

Examiner Signature		Date Considered
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